

D&D SUBGROUP MEETING MINUTES

July 2, 1996

Canyon Facility Large-Scale Demo Proposal (Steve Pulsford)

The proposal is to demonstrate a suite of innovative characterization technologies/techniques in U-Plant, one of Hanford's five fuel reprocessing (canyon) facilities. U-Plant was selected for the demonstration because it is not very contaminated. After the technologies are demonstrated there, they can be inserted into the baseline and used on the worst facilities (e.g., PUREX, REDOX).

The decision on the disposition of Hanford's canyon facilities (T-Plant, B-Plant, PUREX, REDOX, and U-Plant) is the last major element in finalizing the Hanford cleanup strategy. Accurate characterization data and information are essential to make sound technical, regulatory, and financial decisions on the disposition of the canyons, and to cost-effectively execute the selected disposition alternative.

Accurate characterization is needed for the up-front planning and decision-making phase of the Canyon Initiative Project. Characterization of canyon facilities is more expensive and hazardous than other facilities due to the complexity of the equipment systems, the harsher radiological, chemical, and toxic environment, and the size of the facilities. Hanford's five canyon facilities are in various stages of operation, deactivation, and decommissioning. Therefore, improved characterization technologies/techniques will benefit EM-30, EM-60, and EM-40.

The successful demonstration of innovative technologies/techniques for characterizing the Hanford canyon facilities will result in:

- reduced ES&H costs,
- reduced surveillance and maintenance costs, and
- reduced decommissioning costs

regardless of the final disposition alternative selected for the canyon facilities.

Next C-Reactor TAS Meeting (Steve Pulsford)

Steve described plans for two upcoming C-Reactor TAS Team meetings. The first was a technology selection meeting on July 8-12 in Pennsylvania. The second was a meeting on July 24-25 to evaluate, rank, and select the preferred technologies in each of the six technical areas (characterization, decontamination, demolition, waste disposition and waste minimization, stabilization, and health and safety).

National D&D Needs Review (Shannon Saget)

Shannon discussed METC's plans for a National D&D Needs Workshop to be held on July 23-24 to prioritize D&D needs for the DOE Complex. Two representatives from each site's STCG are supposed to attend. Hanford will be represented by Shannon and Jim Goodenough.

324 B-Cell Large-Scale Demo Proposal (Keith Pauley)

Keith summarized PNNL's proposal to utilize an integrated hot cell facility in the 324 Building and a portion of the glovebox facilities in the 325 Building for this large-scale demonstration. Innovative technology demonstrations will be done in the areas of characterization, decontamination, dismantlement, waste management, worker health and safety, and recycling. The plan is to complete 20 technology demonstrations, 12 in the hot cells and 8 in the gloveboxes, with 30% co-funding from the technology vendors. D&D efforts in these facilities are considered a high priority by Hanford stakeholders due to both significant risks and near-term TPA milestones (concerning RCRA closure of the B-Cell mixed waste storage unit). These facilities are representative of hot cell and glovebox problems throughout the DOE Complex. The solutions to problems encountered here may be easily adapted for use at other DOE sites or commercial facilities.

Draft STCG Subgroup Communications Plan (Gary Ballew)

Gary distributed copies of the draft STCG Subgroup Communication Plan and requested that everyone review it and send him comments before July 17 if possible. The final date for comments is August 1.

New Plutonium Focus Area

A new Plutonium Focus Area has been initiated at Albuquerque. They have funds for bench-scale to engineering-scale testing of technologies.

Next Meeting

Our next meeting is scheduled for August 6, 1996 in the EESB Stampede Room. From now on, these meetings will begin at 8:00 a.m. Two agenda items for August are a report on the National D&D Needs Workshop by Shannon Saget and a report on the C-Reactor TAS Team meetings by Steve Pulsford. Please send other suggested agenda items to Linda Fassbender.

Meeting Attendees

Bob Potter
Jackie Schmid
Bob Julian
Rick Gonzalez
Jim Goodenough
Keith Pauley
Tom Demmitt
Sue Garrett
Steve Pulsford
Linda Fassbender
Gary Ballew
Shannon Saget
Loni Peurrung
Jerry White